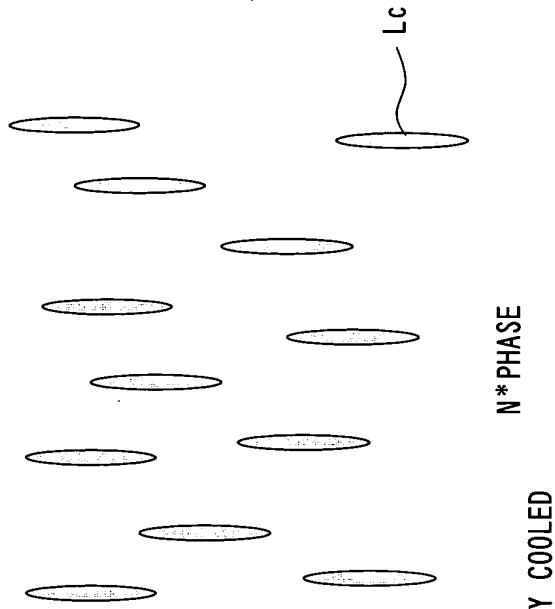


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N* PHASE

FIG. 1A

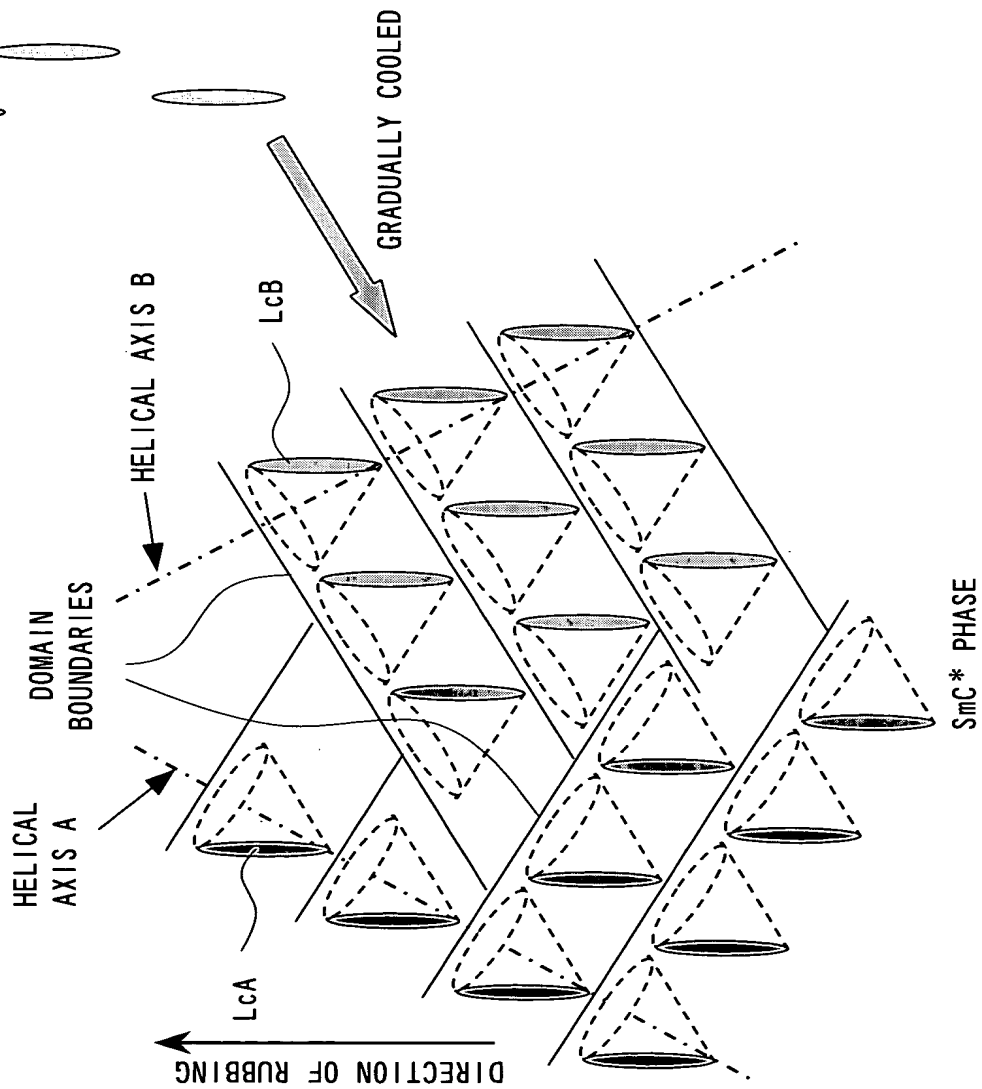
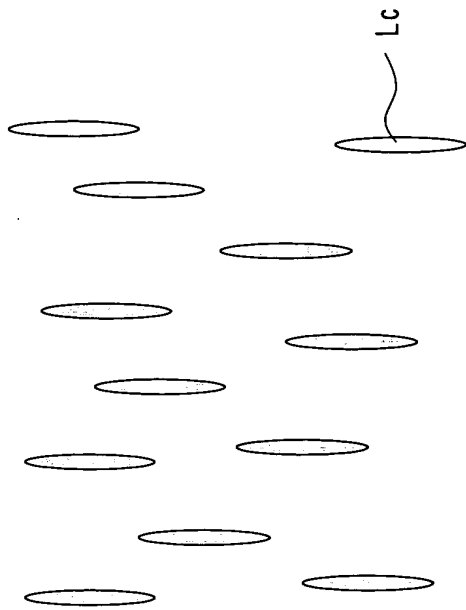


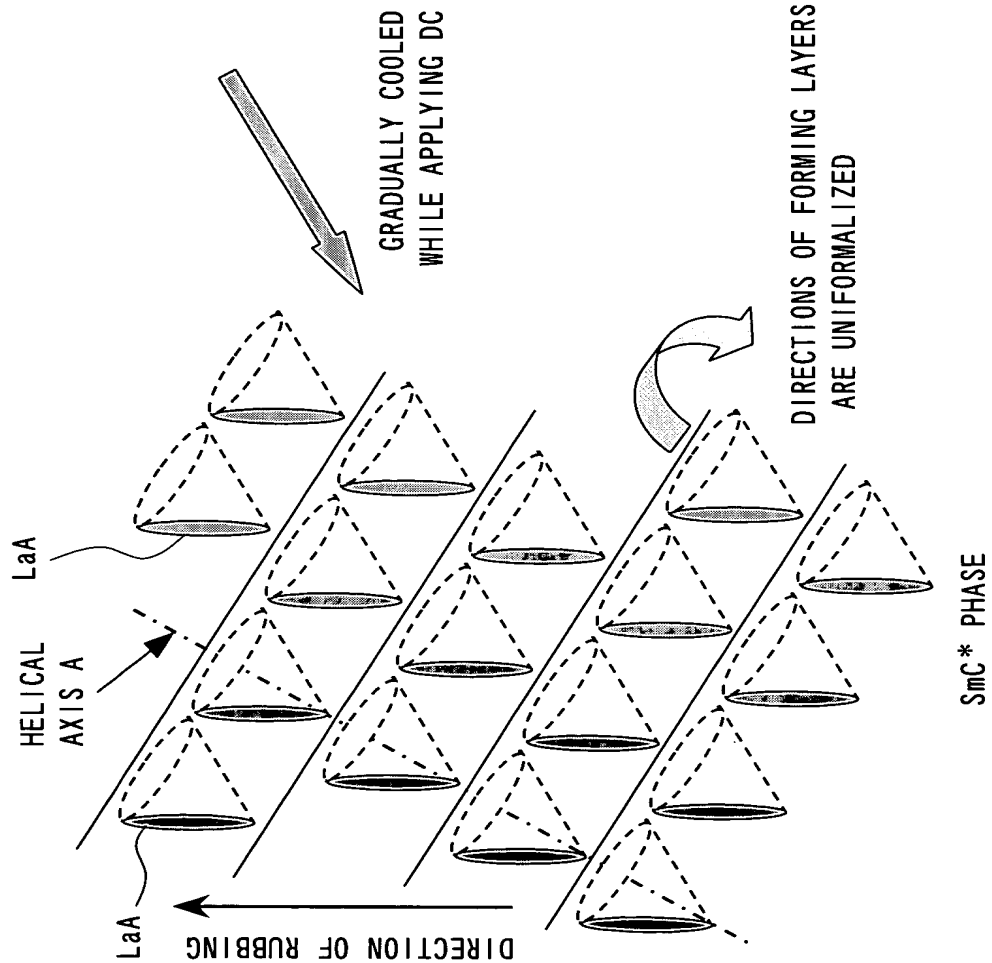
FIG. 1B

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N* PHASE

FIG. 2A



SmC* PHASE

FIG. 2B

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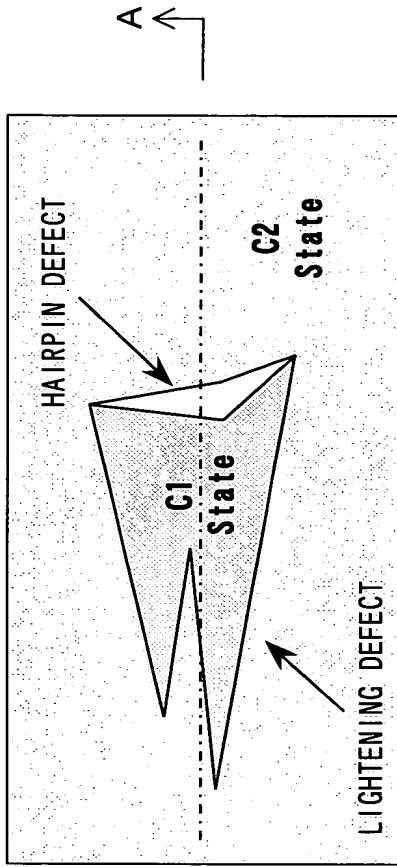


FIG. 3A

DIRECTION OF RUBBING

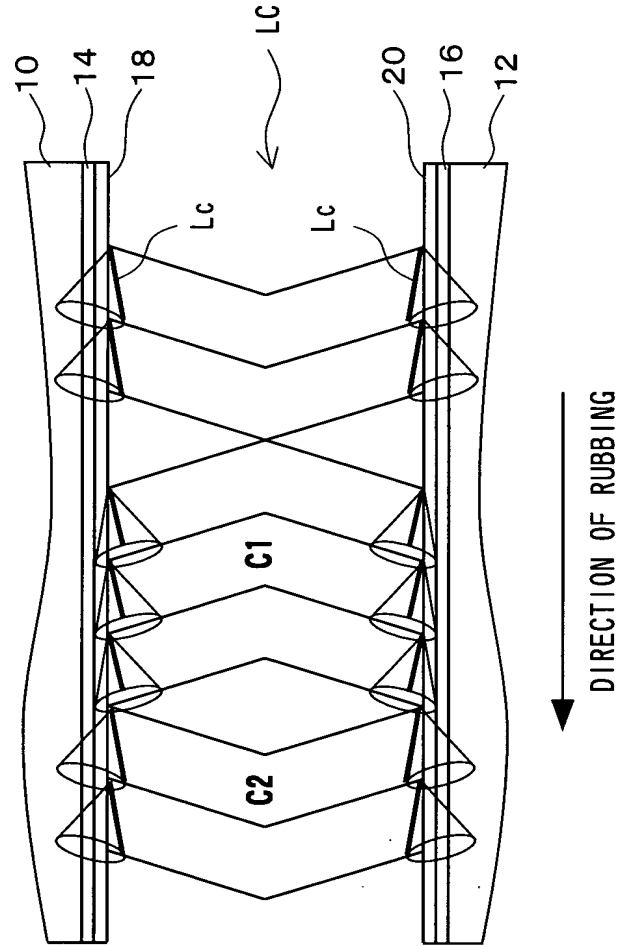


FIG. 3B



FIG.4

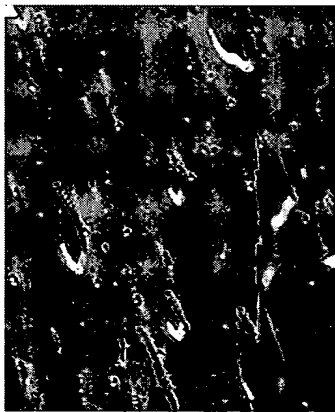
ALIGNMENT FILM MATERIAL	LQ-T120-04		RN-1199	
VOLTAGE (V)	3.5	7.0	3.5	7.0
BLACK TRANSMISSION FACTOR (%)	0.192	0.143	0.036	0.004
CONTRAST	53	69	314	2998

FIG.5

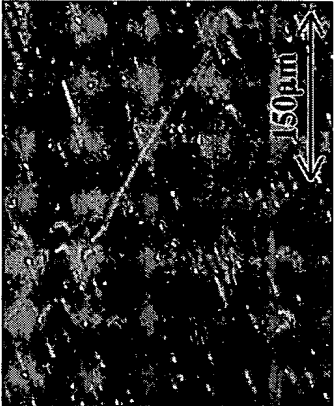
LIGHTENING
DEFECT



(a) DC:3.5V
FIG.6A



(b) DC:4.5V
FIG.6B



(c) DC:6.0V
FIG.6C

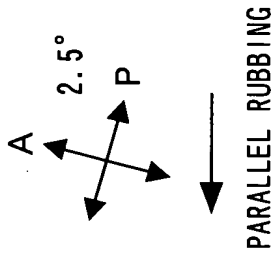


FIG.6D

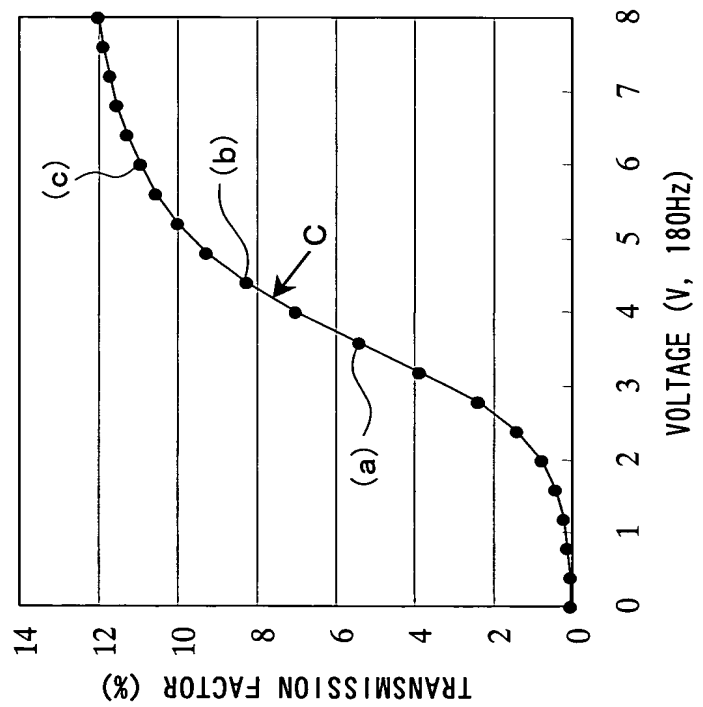
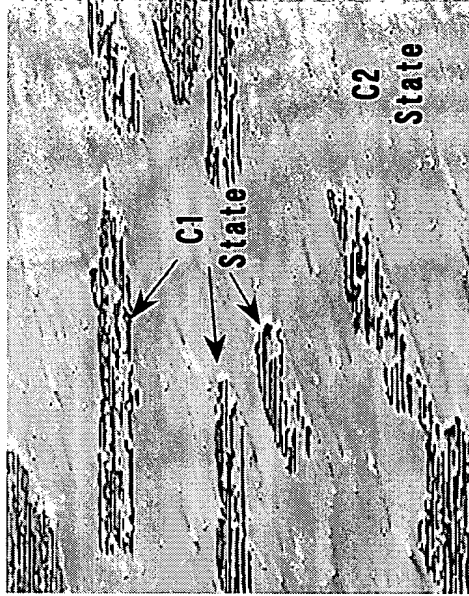


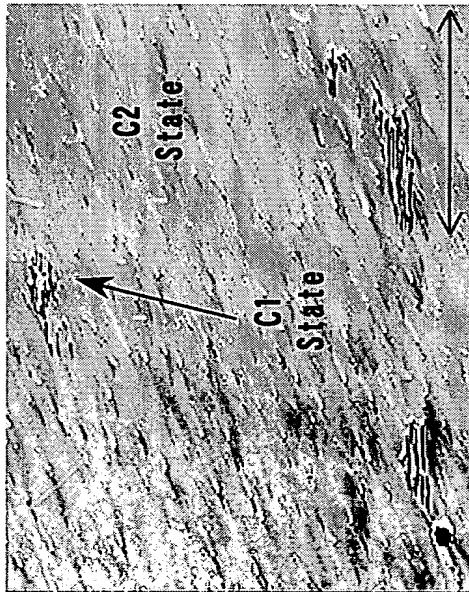
FIG.6E

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SAMPLE B (LARGE AMOUNT OF ALKYL SIDE CHAINS)

FIG.7B



SAMPLE A (SMALL AMOUNT OF ALKYL SIDE CHAINS)

FIG.7A